Gigaset

A400/A400A

Environmental Product Declaration
According to ISO 14021

GIGASET. INSPIRING CONVERSATION.
MADE IN GERMANY

SIEMENS

1 Our enviromental mission

We at Gigaset Communications GmbH* have a responsibility to society. Our convictions make us dedicated to help create a better world. We demonstrate this through our ideas, technologies and actions that serve people, society and the environment. Moreover, the goal of our worldwide activities is to safeguard the foundations of human life. We acknowledge our responsibility for our products over their entire lifecycle. The impact of our products on the environment is assessed in product and process planning, during which we take production, procurement, sales, usage, service and disposal into account.

2 Manufacturer

Gigaset Communications GmbH
Hofmannstraße 61
81379 Munich
Germany
Phone: +49 (0)89 44 44 56-0

Registered offices of the company: Munich

Commercial register: HR A 86401 (Munich Local Court)
VAT reg. no.: DE 814469745
Tax number: 146/636/25500
WEEE reg. no.: DE 96349612

More information is available at:
www.gigaset.com

3 Enviromental management system

Gigaset Communications GmbH is certified according to the quality standards EN ISO 14001 and ISO 9001.

- **ISO 14001 (Environment)**, certified since September 2007 by TüV SÜD Management Service GmbH
- **ISO 9001 (Quality)**, certified since February 17, 1994 by TüV SÜD Management Service GmbH

* Gigaset Communications GmbH is a trademark licensee of the Siemens AG. As of 1 Oct. 2011 Gigaset products bearing the trademark "Siemens" will exclusively use the trademark "Gigaset".

4 Product description

A400/A400A

The A400 and the A400A with an integrated answering machine are the essence of communication. Ergonomic design provides a solid look and feel while large, high-quality keys with sensitive pressure points ensure comfortable handling. The 1.7" illuminated display features a jumbo font for easy readability. Frequent recharging is unnecessary, thanks to the long talk time of up to 20 hours and the long standby time of up to 220 hours. Also, every call comes in brilliant sound quality – even in hands-free mode. Other practical features include a phonebook for up to 80 entries, caller ID[1], a list of the last 25 missed calls, and a redial list of the last 10 numbers. ECO DECT makes these phones energy-saving and eco-friendly. The A400A with an answering machine offers up to 25 minutes of recording time, comfortable operation via both the base station and handset, and automated and personalized greeting options. With ergonomic design, brilliant sound quality, and highly practical features, the A400 and A400A satisfy all essential calling needs.

Product details

Device Gigaset	A400/A400A
Usage	Analogue connection/private branch exchanges
Standards	DECT, GAP

Features:
- Ergonomic design with solid look and feel
- Large, high-quality keys with sensitive pressure points
- Hands-free talking option with brilliant HSP™ sound quality
- Long talk time of up to 20 hours and long standby time of up to 220 hours
- Illuminated 1.7" display with jumbo font
- Phonebook with storage for up to 80 names and numbers
- Caller ID[1] shows callers' names and numbers
- List of the last 25 missed calls with date and time
- Redial of the last 10 numbers
- ECO Mode Plus with no radiation[2]

Answering machine:
- Up to 25 minutes of recording time
- Answering machine access and message retrieval on handset
- Automated and personalized greeting options

1] Dependent on network/operator/provider
2] The DECT transmitting power is switched off when handset is in idle mode – when all registered handsets support ECO Mode Plus.

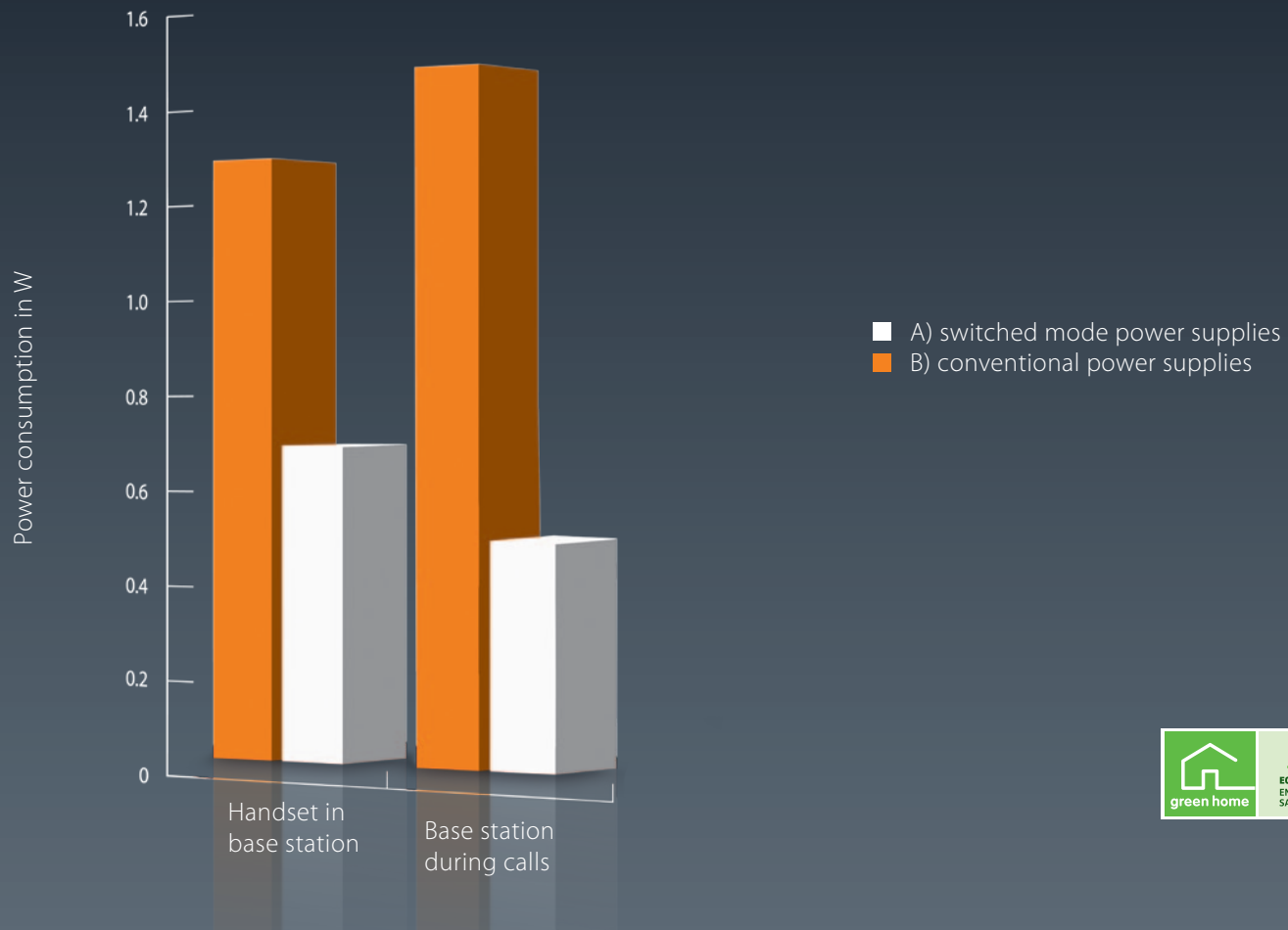
5 Ecological power use – ECO DECT in the A400/A400A

ECO DECT saves energy and makes an active contribution to environmental protection.
ECO DECT addresses the following points:

Switched-mode versus conventional power supply

1. The use of switched-mode power supplies (A) in the base station cuts consumption by up to 60 % compared to conventional power supply units (B).

Phone use averaging one hour per day results in a yearly saving of approximately 24 kWh.

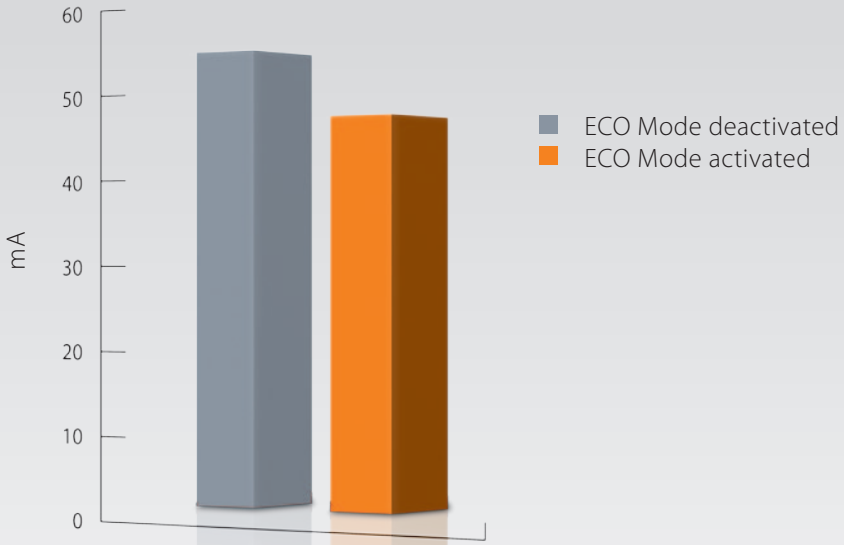


2. The ECO DECT function complements this adjustment: the transmission power of the handset and base station in idle mode are automatically reduced to zero if the handset is in the base station and only one handset has been registered.

3. If customers select "ECO Mode", they can also manually reduce the transmission power of the base station and handset by 80 %. In radiation-free "ECO Mode Plus" the DECT transmitting power is switched off when the handset is idle or charging and when all handsets support ECO Mode Plus.

   Also, the handset's power consumption can be cut by 9 %, thereby increasing talk time by 10%. However, this reduces the range to about half the distance.

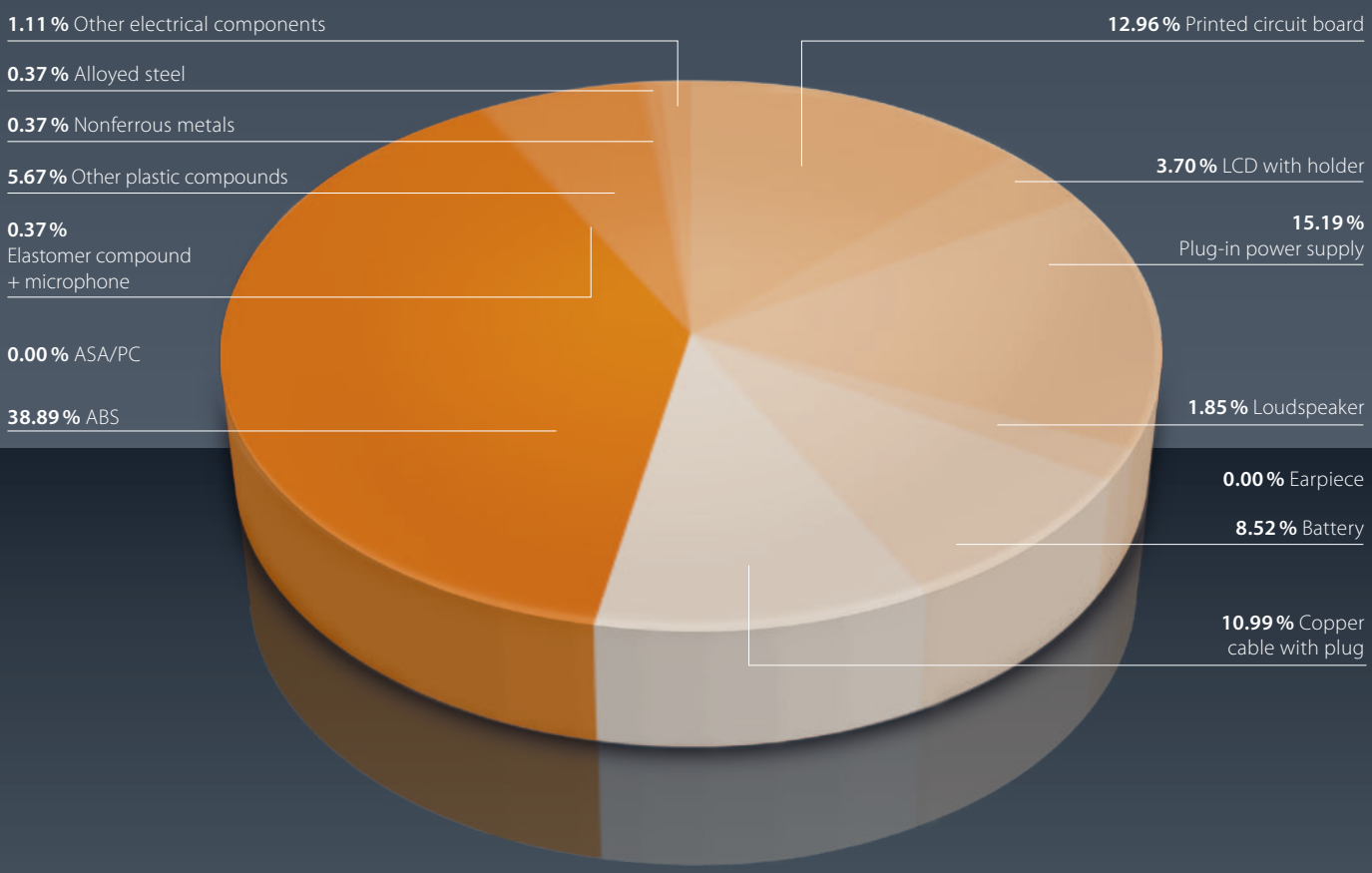
Power reduction for handset



4. For many years, Gigaset DECT handsets have enabled the automatic adjustment of transmission power – depending on the distance to the base station. For example, transmission power is reduced by approximately 60 % at a distance of up to five metres.

6 Environmental protection begins in the product creation phase

A400/A400A


1.11 % Other electrical components
0.37 % Alloyed steel
0.37 % Nonferrous metals
5.67 % Other plastic compounds
0.37 % Elastomer compound + microphone
0.00 % ASA/PC
38.89 % ABS
12.96 % Printed circuit board
3.70 % LCD with holder
15.19 % Plug-in power supply
1.85 % Loudspeaker
0.00 % Earpiece
8.52 % Battery
10.99 % Copper cable with plug

7 Material savings

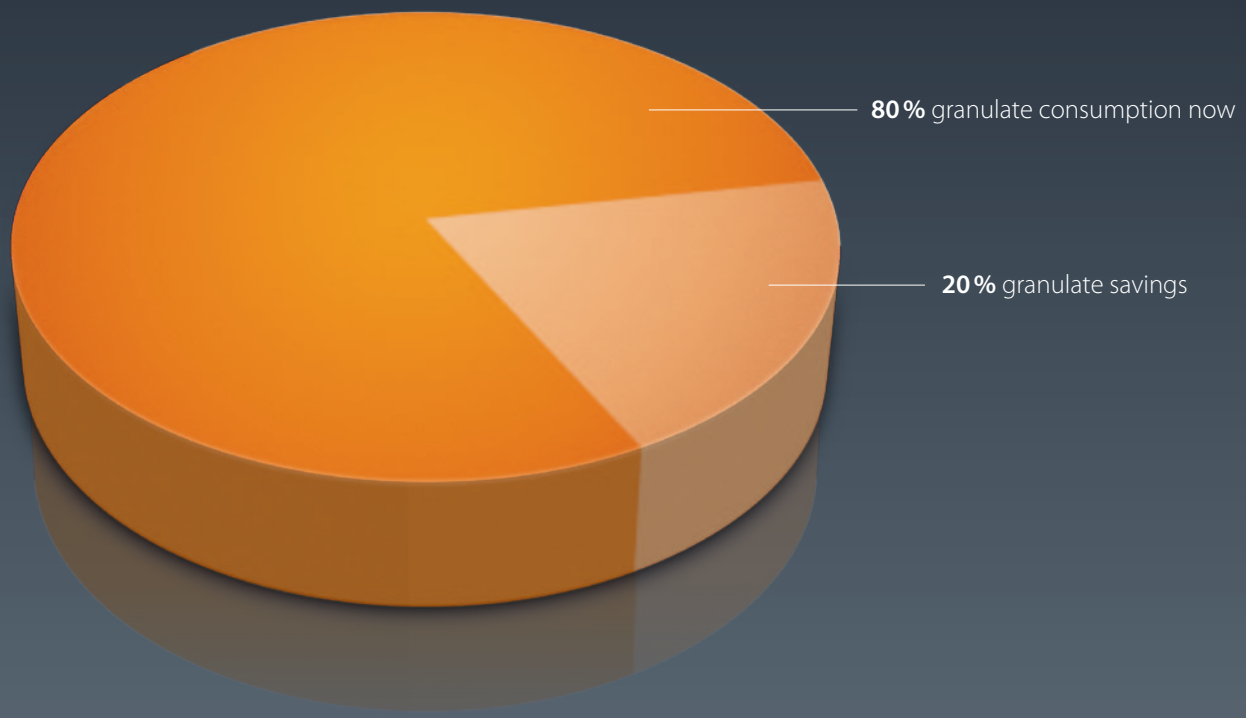
1. Thin-wall technology

Over the last few years, thin-wall technology has been successfully implemented in phone cases. During this time, wall thicknesses have been reduced from 2.5 mm to 2.3 mm and now average about 1.8 - 2 mm. This corresponds to granulate savings of more than 20 %, without sacrificing mechanical stability or robustness.

2. Packaging optimisation

The size and weight of the packaging has been optimised to be in accordance with shipping standards.
The primary aim of this is to reduce transportation costs for the entire product portfolio. The basic purpose of primary packaging is to protect the product. Drop and continuous shock testing (simulating transportation) are required. We use LD-PE film to protect the surfaces of certain parts, as well as 100 % recycled corrugated cardboard as packing material. Film usually accounts for around 4 % of the total packaging. Both the film and cardboard can be recycled.

Granulate savings with thin-wall technology



8 Manufacturing

1. Environmental requirements

The A400 and A400A are manufactured exclusively in Germany. Gigaset Communications attaches prime importance to compliance with all relevant laws and regulations. Through its management system and environmental performance, Gigaset Communications is able to meet these requirements and continue to improve. It goes without saying that Gigaset Communications also respects all local environmental requirements.

2. Effects of automation

The high degree of automation in Gigaset Communications' production processes has a limited impact on the environment through energy saving and efficient machine utilisation.
For example, the electronic circuit board of these devices is produced solely on a production line with a cycle time of under 6 seconds and an efficiency greater than 75 %.

3. Manufacturing concepts

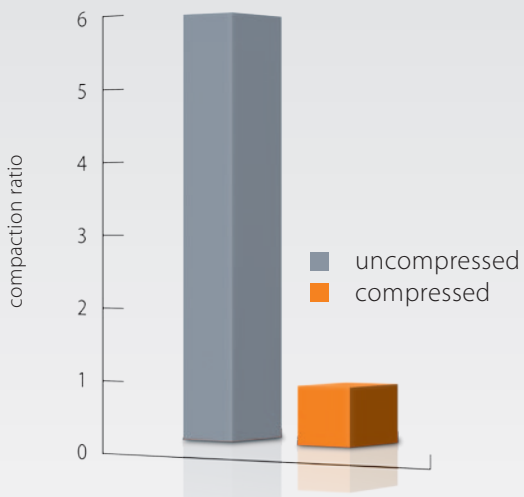
Gigaset Communications believes in a short feedback path for testing. All process parameters are controlled cyclically so that any problems can be detected promptly before they arise and non-conformance is minimised. Every step in the value chain is checked separately to help identify potential errors at an early stage.
Process controls and short feedback paths for testing therefore minimise material waste (components and process aids). Rejects are continuously monitored with the goal of achieving a rate of less than 1 %.

4. Refuse disposal

Packaging material and electronic scrap are strictly separated in "environmental islands" at Gigaset Communications' production facilities and recycled by local service providers. To reduce volume, the individual materials are compacted by roller presses. The compaction ratio for cardboard boxes is, for example, 6:1. This enables more efficient transportation of around 800 tons of cardboard per year.

5. Work safety

Gigaset Communications is especially committed to protecting the health and safety of its manufacturing employees. This is why Gigaset Communications takes such great care to protect its employees in the workplace. This includes steps such as responsible management, instruction, sensitisation and process engineering, prevention of and planning for emergencies, systematic investigation into the causes of accidents, quick availability of medical aid, documentation, regular reporting and continuous improvement.

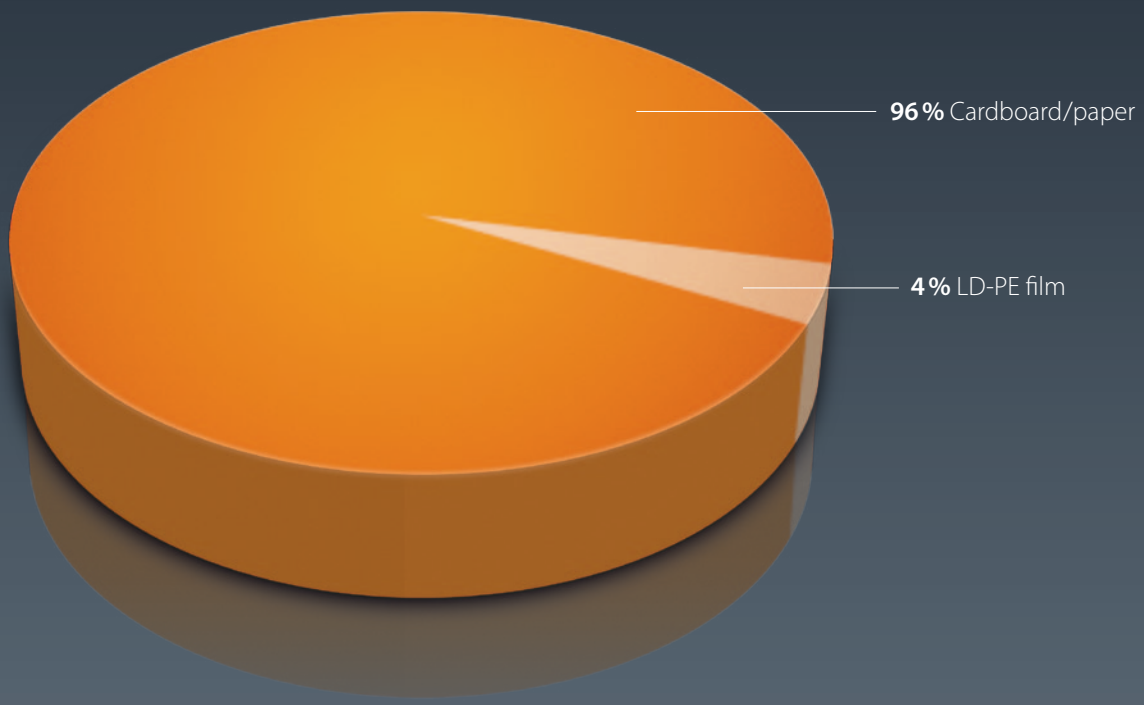


9 Transport packaging

All suppliers of packaging to Gigaset Communications GmbH are members of RESY (Organisation für Wertstoff- Entsorgung GmbH). RESY, an organisation for the disposal of valuable materials, was established in light of the German Packaging Ordinance. This ensures the return and recycling of paper and cardboard packaging used in transportation within Germany. Each user is given a four-digit ID that, along with the RESY symbol, must be printed clearly and visibly on paper and cardboard transport packaging.

All secondary packaging has the RESY symbol on it to indicate that the specifications of the Packaging Ordinance for transport packaging have been met.

Packaging



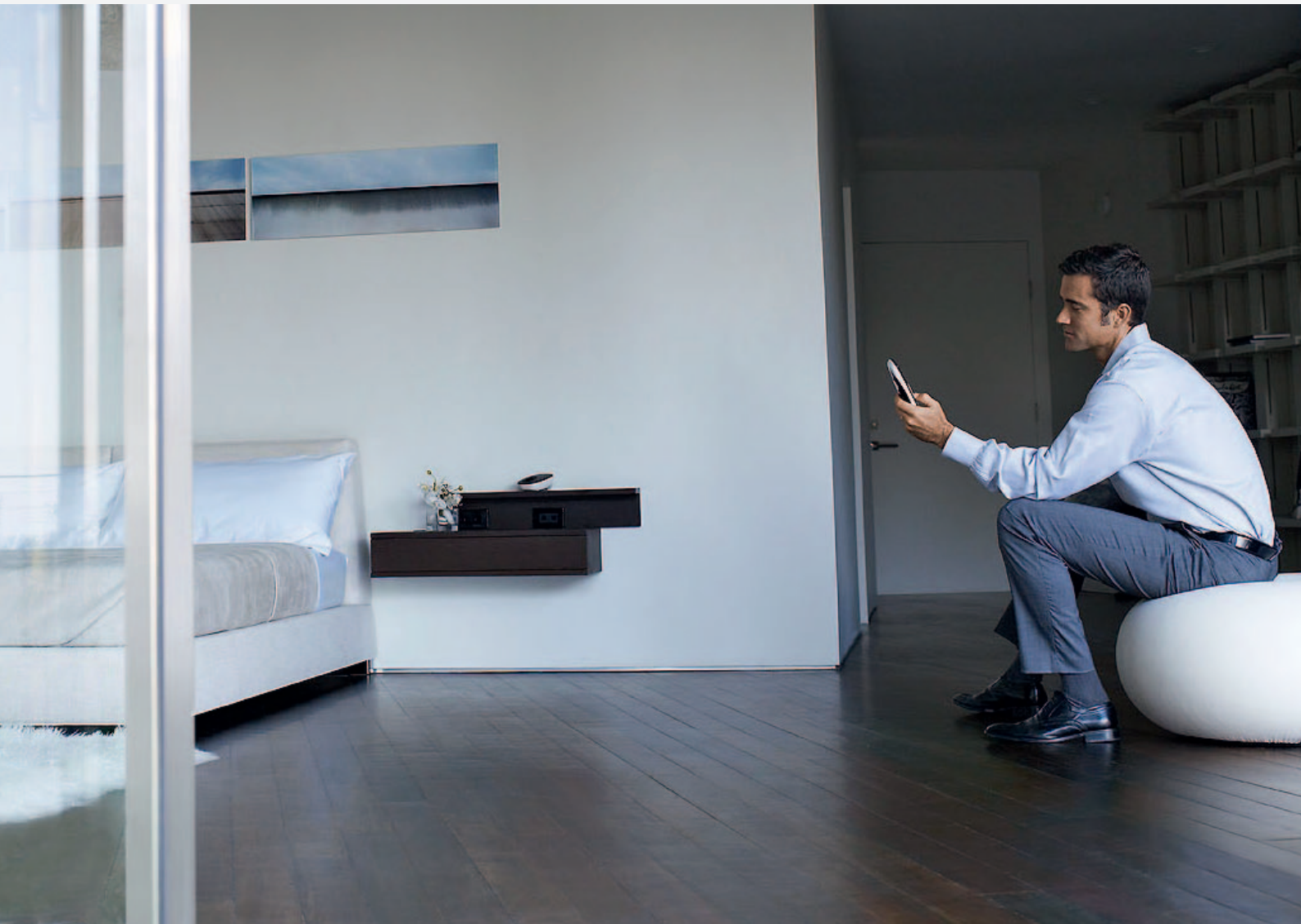
10 Distribution

When goods are shipped to the customer, they are consolidated at central hubs of best in class logistic providers and then distributed in highly efficient logistics networks.

The Gigaset Logistics Network (GLogN) is the basis for the efficient and secure movement of goods. The core of this transport network is a pool of highly-qualified service providers who offer the best prices and performance thanks to the pooling of Gigaset-wide needs.

The use of transportation resources is being optimised by continuing improvements in the size of product packaging. The packaging units of our suppliers are optimised ahead of procurement to ensure the means of transport is fully loaded (e.g. containers in the case of sea freight).

In overseas logistics chains, we try to ensure that marine transport is used as frequently as possible. Transportation of goods by rail or inland waterway is preferred over trucks because it reduces emissions by 50 %. Air freight for transporting goods internationally is the exception and out of principle shipment by sea has priority.



11 Disposal

Our takeback concept

In accordance with European directives on the disposal of electrical waste and electronic equipment (2002/96/EC), packaging (94/62/EC) and batteries (2006/66/EC), these waste materials may not be thrown away as domestic refuse. The relevant national statutory regulations must be observed and the waste must be disposed of via the approved channels.

Advising our customers

The user manuals of all products contain special advice for our customers to help them dispose of old devices in accordance with the European WEEE Directive (crossed-out rubbish bin logo) and old batteries in accordance with the European Battery Directive (take-back programmes, etc.).

12 Our service concept

In case of fault

If a device should ever prove faulty, it is not replaced by a new one but repaired and returned free of defects to the customer. This concept has significant advantages. When devices are replaced by previously repaired products, the law requires that cosmetic parts, such as cradles, receiver insets or microphones, are also replaced. Our service concept eliminates this, which saves materials and resources.

This product environmental statement is not a warranty for the qualities of a product. It also does not warrant that the product retains a specific quality for a specific length of time. It is for information purposes only. We reserve the right to modify product design and specifications without prior notice. Please contact your Gigaset representative to get the latest information.